

MODULATORS

QPSK

THROUGH-HOLE

8 PIN - RELAY CAN



INPUT CARRIER FREQUENCY (MHz)	INSERTION LOSS (dB) MAX	AMPLITUDE UNBALANCE (dB) MAX	PHASE UNBALANCE (Degrees)		INPUT 1 dB COMP. PT. (dBm) MIN	VSWR MAX	PACKAGE	PIN-OUT (See Below)	MODEL
			Fc MAX	FULL BAND MAX					
10.165 - 11.235	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-202
20.33 - 22.47	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-204
28.5 - 31.5	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-201
52 - 88	8.0	1.0	2.0	5.0	+4	1.7:1	102	1	MR-207
57 - 63	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-203
66.5 - 73.5	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-205
104 - 176	8.0	1.0	2.0	5.0	+4	1.7:1	102	1	MR-208
133 - 147	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-206
190 - 210	7.0	0.4	2.0	3.5	+4	1.7:1	102	1	MR-209
285 - 315	7.5	0.4	2.0	5.0	+4	1.7:1	102	1	MR-210
810 - 830	8.0	0.6	4.0	5.0	+4	2.0:1	102	1	MR-214
869 - 894	8.5	0.6	4.0	5.0	+4	2.0:1	102	1	MR-224
935 - 960	8.0	0.6	4.0	5.0	+4	2.0:1	102	1	MR-234
1805 - 1880	9.5	1.0	6.0	7.0	+4	2.2:1	102	1	MR-236

PLUG-IN 6 PIN (Wideband) AND 16 PIN



INPUT CARRIER FREQUENCY (MHz)	INSERTION LOSS (dB) MAX	AMPLITUDE UNBALANCE (dB) MAX	PHASE UNBALANCE (Degrees)		INPUT 1 dB COMP. PT. (dBm) MIN	VSWR MAX	PACKAGE	PIN-OUT (See Below)	MODEL
			Fc MAX	FULL BAND MAX					
15 - 510	11.0	1.5	10	10	+4	2.5:1	151	3	*MP-34-15
28.5 - 31.5	7.0	0.4	2.0	3.5	+4	1.7:1	124	2	MP-901
52 - 88	8.0	1.0	2.0	5.0	+4	1.7:1	124	2	MP-907
57 - 63	7.0	0.4	2.0	3.5	+4	1.7:1	124	2	MP-903
66.5 - 73.5	7.0	0.4	2.0	3.5	+4	1.7:1	124	2	MP-905
104 - 176	8.0	1.0	2.0	5.0	+4	1.7:1	124	2	MP-908
133 - 147	7.0	0.4	2.0	3.5	+4	1.7:1	124	2	MP-906
190 - 210	7.0	0.4	2.0	3.5	+4	1.7:1	124	2	MP-909
285 - 315	7.5	0.4	2.0	5.0	+4	1.7:1	124	2	MP-910
810 - 830	8.0	0.6	4.0	5.0	+4	2.0:1	124	2	MP-914
869 - 894	8.5	0.6	4.0	5.0	+4	2.0:1	124	2	MP-924
935 - 960	8.0	0.6	4.0	5.0	+4	2.0:1	124	2	MP-934
1805 - 1880	9.5	1.0	6.0	7.0	+4	2.2:1	124	2	MP-936

Notes:

Logic 1 corresponds to +20 mA and Logic 0 corresponds to -20 mA.
 Above models do not include Logic complimentary drivers.
 Nominal input/output impedance = 50 ohms.
 Maximum RF input power without damage 200 mW and 40 mA.
 The logic table for the MP-34-15 is the same as for the coaxial connector models.

PIN-OUT TABLE

	CARRIER	OUTPUT	D1	D2	D3	D4	CASE GND
#1	8	1	3	5	4	6	2,7
#2	16	1	13	5	3	4	All Other
#3	6	1	3	-	2	-	4,5

For pin location and package outline drawings, see back pages.

LOGIC TABLE

PHASE	D1	D2	D3	D4
0°	1	0	1	0
90°	1	0	0	1
180°	0	1	0	1
270°	0	1	1	0